11462

LORAN-C OVERPRINTED

SOUNDINGS IN FEET

UNITED STATES — EAST COAST
FLORIDA

FOWEY ROCKS TO ALLIGATOR REEF

Mercator Projection
Scale 1:80,000 at Lat. 25°12'
North American 1927 Datum

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

LORAN LINEAR INTERPOLATOR

POLLUTION REPORTS
Report all spills of oil and hazardous substances to the National Response Center via 800-424-8802 (toll free), or to nearest U.S. Coast Guard facility if telephone communication is impossible. (33 CFR 153)

RADAR REFLECTORS
Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

LIGHT APPROXIMATION
(Heights referred to datum of soundings, MLLW)

Floor	Mean Higher High Water	Mean High Water	Mean Low Water	Extreme Low Water
	feet	feet	feet	feet
Angelfish Reef Light	2.1	1.8	0.0	0.5
Cheeca Rocks	2.1	1.8	0.0	0.5
Molasses Reef	2.4	2.1	0.0	0.5

(1146)

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)

HEIGHTS
Heights in feet above Mean High Water

AUTHORITIES
Hydrography and topography by the National Ocean Service, Charting and Geodetic Services with additional data from the U.S. Coast Guard.

STORM WARNINGS
The National Weather Service displays storm warnings at the following approximate locations:
Islamorada (24°57.1' 80°38.2')
Molasses Key (24°58.5' 80°38.4')

LORAN-C
GENERAL EXPLANATION

LORAN-C FREQUENCY 100kHz
PULSE REPETITION INTERVAL ..... 10000 Microseconds
STATION TYPE DESIGNATORS (first individual ltr. has been designated)
M ..... Master
W ..... Secondary
X ..... Secondary
Y ..... Secondary
Z ..... Secondary
EXAMPLE: 7960-W

RATES ON THIS CHART
7960 W 7960 Y (301)

The Loran-C navigation system established by the National Ocean Service, Charting and Geodetic Services, Rockville, Md. 20852, was used to control the hydrographic surveys on which this chart is based. Users should be aware that secondary phase corrections may vary with time and location. Information concerning these corrections is available from the Defense Mapping Agency Hydrographic Center, Washington, D.C. 20390.

SUPPLEMENTAL INFORMATION
Consult U.S. Coast Pilot 4 for important supplemental information.

NOAA VHF-FM WEATHER BROADCASTS
The National Weather Service station listed below provides continuous marine weather broadcasts. The range of reception is variable but for most stations is usually 20 to 40 miles from the antenna site.
Miami, Fla. ..... WNG-34 ..... 162.55 MHz

AIDS TO NAVIGATION
Consult U.S. Coast Guard Light List for comprehensive information concerning aids to navigation.

WARNING:
Navigation in the vicinity of submerged pipelines and cables is hazardous. Mariners are advised to determine the location of pipelines and cables before anchoring, dredging or conducting underwater operations in the vicinity of these features.

NOTE A
Numerous obstructions, marking the channels to Large Sound, Snake Creek and Whale Harbor, are not charted.

NOTE C
Numerous daybeacons, marking the channels to Large Sound, Snake Creek and Whale Harbor, are not charted.

NOTE X
TERRITORIAL SEA AND CONTIGUOUS ZONE
The lines delimiting the territorial sea and contiguous zone represent an interdepartmental committee's interpretation of legal principles as applied to geographical information. The lines are subject to revision when required by correction of the geographic information shown or by reinterpretation of the legal principles involved. Where differences occur between adjacent or overlapping charts, the lines shown on the most recent chart issue take precedence.

CAUTION
CHANGES IN SEASCAPE
Mariners are advised that distinguished aids to navigation are being changed to conform to maritime standards of the International Association of Lighthouse Authorities Maritime Buoyage System, Region B. Lighthouse changes are: black and red bands to green, black and white vertically to red or green as appropriate; particularly striped buoys and beacons (gate) to red or green as appropriate. Changes to aids to navigation will be announced in the Defense Mapping Agency publication Hydrographic Notices Affecting Navigation Maps and the U.S. Coast Guard publication Notice to Mariners.

INTRACOASTAL WATERWAY
Use charts 11460 and 11465

CAUTION
Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

CAESAR CREEK
The channel is marked by privately maintained buoys.

CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.

Overhead power cables run parallel to Highway No. 1 from Tavernier to Big Coppitt Key. All vertical clearances are greater than those of the adjacent fixed bridges.

NOTE B
The positions of daybeacons in Garden Cove are approximate.

HORIZONTAL DATUM
The horizontal reference datum of this chart is North American Datum of 1927. Geographic positions on North American Datum of 1983 (NAD 83) must be corrected an average of 1.404" southward and .801" westward to agree with this chart. For charting purposes, NAD 83 is considered equivalent to the World Geodetic System 1984 (WGS 84) datum.

PETERS
GOULDS
Black Creek
BLACK PT
PRINCETON
FENDER PT
AERO Rot W & G
Military Canal
HOMESTEAD
Mowry Canal
North Canal
CONVOY PT
Florida City Canal
FLORIDA CITY
STAKES
TURKEY PT
Turtle Pt
Numerous cooling canals
WEST ARSENICKER
ARSENICKER KEY
RUBICON KEYS
MANGROVE KEY
MANGROVE PT
Long Arsenicker
Numerous cooling canals
Closed to navigation
TOWER
CARD PT
CARD SOUND
PUMPKIN KEY
MUD PT
LITTLE CARD PT
MIDDLE KEY
Barnes Pt
SHORT KEY
FLAT PT
Manatee Bay
MAIN KEY
BARNES SOUND
Bay Pt
Monroe Co.
ROBERTS
DIVISION PT
MICROWAVE TOWER
Joe Bay
Long Sound
Little Blackwater Sound
Alligator Bay
SNIPE PT
DEER KEY
Little Madeira Bay
DUCK KEYS
BLACKWATER SOUND
EAGLE KEY
PASS KEY
KC TERN KEYS
LAKE KEY
NEST KEYS
PORJOE KEY
WHALEBACK KEY
PARK KEY
FLORIDA BAY
BOB KEYS
SWASH KEYS
BUTTERNUT KEY
MANATEE KEYS
BOTTLE KEY
STAKE KEY
PIGEON KEY
LOW KEY
CAPTAIN KEY
CRANE KEYS
EAST KEY
HAMMER PT
PLANTER
TAVERNIER
Snake Pt
STELLRECHT PT
Little Buttonwood Sound
Largo Sound
Turtle Harbor
Tarpon Basin
BUTTONWOOD SOUND
Pelican Key
Mosquito Bank
Molasses Reef Channel
Triangles
French Reef
Dry Rocks
Dixie Shoal
Turtle Rocks
Turtle Reef
Carysport Reef
The Elbow
Key Largo
Dry Rocks
Broad Cr
Gold Rhodes Bank
Algerfish Cr
Little Angelfish Cr
Angelfish Cr
Caesar Creek
Caesar Creek Bank
Old Rhodes Key
Old Rhodes Pt
Pacific Reef
Ajax Reef
Long Reef
Margot Fish Shoal
Triumph Reef
Lewis Cut
Boca Chita Key
RAGGED KEYS
Star Reef
Lrdbury Reef
Brewster Reef
SOLDIER KEY
Sands Cut
SANDS KEY
Bowles Bank
Angelfish
Long
Lewis
Broad
Caesar
Old Rhodes
Tarpon
Largo
Snake
Upper Sound
Lake Surprise
Rattlesnake Key
Whitmore Bight
Little Buttonwood
Pelican
Mosquito
Molasses
Triangles
Turtle
Carysport
Key Largo
Broad
Gold Rhodes
Caesar
Pacific
Ajax
Long
Margot Fish
Triumph
Lewis
Sands
Bowles
Brewster
Lrdbury
Star
Soldier Key
Ragged Keys
Boca Chita Key
Old Rhodes Key
Old Rhodes Pt
Angelfish Cr
Little Angelfish Cr
Broad Cr
Caesar Creek
Caesar Creek Bank
Gold Rhodes Bank
Arsenicker Key
West Arsenicker
Mangrove Key
Mangrove Pt
Long Arsenicker
Rubicon Keys
Pumpkin Key
Mud Pt
Little Card Pt
Middle Key
Barnes Pt
Short Key
Flat Pt
Manatee Bay
Main Key
Bay Pt
Monroe Co.
Roberts
Division Pt
Microwave Tower
Joe Bay
Long Sound
Little Blackwater Sound
Alligator Bay
Snipe Pt
Deer Key
Little Madeira Bay
Duck Keys
Blackwater Sound
Eagle Key
Pass Key
KC Tern Keys
Lake Key
Nest Keys
Porjoe Key
Whalebone Key
Park Key
Florida Bay
Bob Keys
Swash Keys
Butternut Key
Manatee Keys
Bottle Key
Stake Key
Pigeon Key
Low Key
Captain Key
Crane Keys
East Key
Hammer Pt
Planter
Tavernier
Snake Pt
Stellrecht Pt
Little Buttonwood Sound
Largo Sound
Turtle Harbor
Tarpon Basin
Buttonwood Sound
Pelican Key
Mosquito Bank
Molasses Reef Channel
Triangles
French Reef
Dry Rocks
Dixie Shoal
Turtle Rocks
Turtle Reef
Carysport Reef
The Elbow
Key Largo
Dry Rocks
Broad Cr
Gold Rhodes Bank
Algerfish Cr
Little Angelfish Cr
Angelfish Cr
Caesar Creek
Caesar Creek Bank
Old Rhodes Key
Old Rhodes Pt
Pacific Reef
Ajax Reef
Long Reef
Margot Fish Shoal
Triumph Reef
Lewis Cut
Boca Chita Key
Ragged Keys
Star Reef
Lrdbury Reef
Brewster Reef
Soldier Key
Sands Cut
Sands Key

CARD SOUND
BARNES SOUND
BLACKWATER SOUND
BUTTONWOOD SOUND
Joe Bay
Alligator Bay
Manatee Bay
Long Sound
Little Blackwater Sound
FLORIDA BAY
ATLANTIC OCEAN
STRAITS OF FLORIDA
HAWK CHANNEL
KEY LARGO
JOHN PENNEKAMP CORAL REEF STATE PARK
KEY LARGO MARINE SANCTUARY
Caesar Creek
Caesar Creek Bank
Pacific Reef
Broad Cr
Cold Rhodes Bank
Pumpkin Key
Turtle Reef
Turtle Harbor
Carysport Reef
Mangrove Pt
Long Arrowsmith
Mud Pt
Little Card Pt
Barnes Pt
Middle Key
Short Key
Flat Pt
Main Key
Bar Pt
Division Pt
Microwave Tower
Snipe Pt
Deer Key
Duck Key
Eagle Key
Key Pass Key
Ketch Keys
Lake Key
Nest Keys
Porpoise Key
Whiteback Key
Park Key
Bob Keys
Buttnut Key
Manatee Keys
Bottle Key
Stake Key
Low Key
Pigeon Key
Captain Key
Cotton Key
Upper Matecumbe Key
Alligator Reef
Snake Creek
The Rocks
Hen and Chickens
Plantation Key
Tavernier
Planter
Long Pt
Harbor Pt
Cross Key
Stellrecht Pt
Upper Sound Pt
Rattlesnake Key
Buoy Pt
Lake Surprise
Little Buttonwood Sound
Largo Sound
Tarpon Basin
Swash Keys
Rock Harbor
Mosquito Bank
Dixie Shoal
French Reef
Molasses Reef Channel
Molasses Reef
Triangles
Pickles Reef
Conch Reef
Little Conch Reef
Davis Reef
Cracker Reef
The Elbow
Key Largo
Dry Rocks
Caesar Creek
Tower
Numerous cruising canals
Closed to navigation
Overhead power cables run parallel to Highway No. 1 from Tavernier to Big Coppitt Key. All vertical clearances are greater than those of the adjacent fixed bridges.
CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.
CAESAR CREEK
The channel is marked by privately maintained buoys.
NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 4. Additions or revisions to Chapter 2 are published in the Notices to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 7th Coast Guard District in Miami, Fla., or at the Office of the District Engineer, Corps of Engineers in Jacksonville, Fla.
Refer to charted regulation section numbers.
NOTE B
The positions of daybeacons in Garden Cove are approximate.
NOTE C
Numerous daybeacons, marking the channels to Largo Sound, Snake Creek and Whale Harbor, are not charted.
NOTE D
(protected areas - 15 CFR 929)
The following activities are prohibited within Key Largo National Marine Sanctuary:
Damaging or removing coral.
Anchoring on coral.
Spearfishing.
Removing historical artifacts.
The "Divers Down" flag must be displayed during diving activities. Refer to 15 CFR 929 for details of sanctuary regulations.
COLREGS DEMARCATION LINE
(80.735e (see note A))
MEAN LOW WATER (NEGRO)
MEAN LOWER LOW WATER (NEGRO)
LORAN-C
GENERAL EXPLANATION
LORAN-C FREQUENCY 100kHz
PULSE REPETITION INTERVAL
7980 79,800 Microseconds
STATION TYPE DESIGNATORS: (Not individual station letter designators)
M Master
W Secondary
X Secondary
Y Secondary
Z Secondary
EXAMPLE: 7980-W
RATES ON THIS CHART
7980-W 7980-Y 7980-Z
The Loran-C correction tables published by the Defense Mapping Agency or others should not be used with this chart. The lines of position shown have been adjusted based on survey data. Every effort has been made to meet the nautical mile boundary criteria established by U.S. Coast Guard. Mariners, however, are cautioned not to rely solely on the LOPs in inshore waters.
HEIGHTS
Heights in feet above Mean High Water.
AUTHORITIES
Hydrography and topography by the National Ocean Service, Charting and Geodetic Services with additional data from the U.S. Coast Guard.
STORM WARNINGS
The National Weather Service displays storm warnings at the following approximate locations:
Islamorada (24°12.1' N, 80°35.2')
Windley Key (24°56.5' N, 80°36.4')
SUPPLEMENTAL INFORMATION
Consult U.S. Coast Pilot 4 for important supplemental information.
NOAA VHF-FM WEATHER BROADCASTS
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Miami, Fla. KHB-34 162.55 MHz
AIDS TO NAVIGATION
Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.
WARNING
The prudent mariner will not rely solely on any one aid to navigation, particularly when navigating with See U.S. Coast Guard Light List and U.S. Coast Pilot for details.
Obstn Abbreviations
Bldr boulders Co coral Gr grey Oys oysters Wr wreck
cs broken G gravel Rk rock Sh shells
Cy clay Grs grass sd sand S sand sy shoaly
Miscellaneous
AUTH authorized Obstn obstruction PD position doubtful Submn submerged
ED existence doubtful PA position approximate Rep reported
Wreck, rock, obstruction, or shoal swept clear to the depth indicated.
Rocks that cover and uncover, with heights in feet above datum of soundings.
COLREGS International Regulations for Preventing Collisions at Sea, 1972.
Demarcation lines are shown thus
SOUNDINGS IN FEET
Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
(Fowey Rocks to Alligator Reef)
SOUNDINGS IN FEET (SCALE 1:40,000)
FATHOMS 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
FEET 6 12 18 24 30 36 42 48 54 60 66 72 78 84 90 96
METERS 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Director, Charting and Geodetic Services, Attention: N/CG33, National Ocean Service, NOAA, Rockville, Maryland 20852.
Use of this chart for navigation is the responsibility of the user. Neither the National Ocean Service nor any other agency of the United States Government warrants the accuracy of this chart for navigation.
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